

November 07, 2022

Attention: Cecylia Garbacz
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO, ON M9W 6N9

The design submission, tracking number 2022-05958, originally received on October 25, 2022 was surveyed and accepted for registration as follows:

CRN : 0H24139.52 **Accepted on:** November 07, 2022
Reg Type: NEW DESIGN **Expiry Date:** August 18, 2032
Drawing No. : SCOPE OF CRN REGISTRATION
Fitting type: PRESSURE MOTIVE PUMP (PMPT & PMPNT)
Design registered in the name of : WATSON MCDANIEL COMPANY

Description	MAWP	Design Temperature	MDMT
Internal Pressure	1034kPa	232 °C	-29 °C
External Pressure	103kPa	232 °C	-29 °C

The registration is conditional on your compliance with the following notes:

**** Design report #: R-1661 Rev 0**

**** This design is registered without a User Design Requirements form (UDR) based on the understanding that the conditions listed in U-2(a)(2) are not applicable.**

As indicated on AB-41 Statutory Declaration or AB-351 Declaration of Conformity form and submitted documentation, the code of construction is SECTION VIII, DIV. 1.

- It is our understanding that the fitting(s), included as the scope of this submission, that is(are) subject to the Safety Codes Act shall comply with the requirements of the indicated Standard or Code of Construction on the AB-41 Statutory Declaration or AB-351 Declaration of Conformity as supported by the attached data which identifies the dimensions, materials of construction, press./temp. ratings and the basis for such ratings, and the identification marking of the fittings.*
- This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration or AB-351 Declaration of Conformity form.*
- This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency, and maintains a valid Certification of Authorization Permit if required by the jurisdiction where manufacturing takes place, until that date.*
- Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.*

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3337 or fax (780) 437-7787 or e-mail Dick@absa.ca.

Sincerely,



the pressure equipment safety authority

9410 - 20 Ave N.W.
Edmonton, Alberta, Canada T6N 0A4
Tel: (780) 437-9100 / Fax: (780) 437-7787

November 07, 2022

DICK, ASHLING, P. Eng.
DOP Cert. No. D00007936



Technical Standards and Safety Authority
345 Carlingview Drive
Toronto, Ontario M9W 6N9
www.tssa.org

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below



STATUTORY DECLARATION Registration of Fittings

I, ROBERT HICKEY, GENERAL MANAGER

(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of WATSON MCDANIEL

(Name of Manufacturer)

Located at 428 JONES BLVD., POTTSTOWN, PENNSYLVANIA, 19464

(Plant Address)

610-495-5131

(Telephone No.)

610-495-5134

(Fax No.)



do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of ASME Section VIII-1

(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;



or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with _____ as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO 9001:2015 which has been verified by the following authority, HSB

The items covered by this declaration, for which I seek registration, are category H - PMPT / PMPNT type fittings. In support of this application, the following information and/or test data are attached as follows:

SCOPE OF CRN REGISTRATION, REPORTS, DRAWINGS, CALCULATIONS

**

(drawings, calculations, test reports, etc.)

Declared before me at Pottstown

in the State

of Pennsylvania

the 9th

day of March

AD 20 22

Commonwealth of Pennsylvania - Notary Seal
Jay Goldberg, Notary Public
Montgomery County
My commission expires June 28, 2024
Commission number 1299266

Member, Pennsylvania Association of Notaries

Commissioner for Oaths:

Jay Goldberg

(Printed name)

[Signature]

(Signature)

[Signature]

(Signature of Declarer)

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category 'H'

CRN: _____

Registered by: _____

Dated: _____

2022-11-07

2032-08-18

NOTE: This registration expires on: _____

2022-05958

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

ACCEPTED: CH24139.52

See acceptance letter for
conditions of registration.

Date: 2022-11-07

By: [Signature]

ASHLING DICK, P. Eng.
DOP: D00007936

This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.

PV 09553 (04/17) ** Pressure Motive Pump (PMPT & PMPNT), see attached Scope of CRN Registration.

WATSON MCDANIEL
428 JONES BLVD.
POTTSTOWN, PENNSYLVANIA
19464, U.S.A.



26-Feb-22

PAGE 1 OF 1

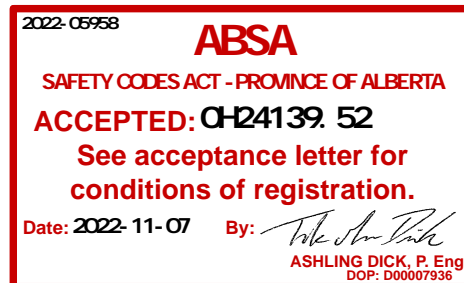
SCOPE OF CRN REGISTRATION

Product Description	Design Code	Material Specification	Series	Process Connections	MAWP at 100°F	MAWP at MAWT (psig at °F)	MDMT	Report Number
Pressure Motive Pump	ASME Section VIII-1	Ductile Iron ASME SA-395 60-40-18, Carbon Steel ASME SA-216-WCB, Stainless Steel ASME SA-351-CF3	PMPT with Trap, PMPNT No Trap	1-1/2" FNPT Inlet, 2" FNPT Outlet	150/FV psig	150/FV psig at 450°F	-20°F	R-1661 Rev. 0

Note 1: MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature, MDMT = Minimum Design Metal Temperature, FV = Full Vacuum

Note 2: The pressure-temperature ratings shown are the maximum CRN pressure-temperature ratings. In all cases the MAWP may be limited by the seat or seal material or other considerations. Please consult Watson McDaniel literature.

Note 3: For low temperature operation the products shall conform to the rules of the applicable codes under which they are used.



This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.